

February 24, 2012

Ms. Jackie Drummond
North Carolina Department of Environment and Natural Resources
Division of Waste Management, Solid Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1646



**RE: Notification of Detections above NC 2L or GWP Standards
Second Semiannual Sampling Event of 2011
Granville County – Butner Landfill, Permit No. 39-02
JOYCE Project No. 660.1101.12, Task 05**

Dear Ms. Drummond:

On behalf of Granville County, Joyce Engineering (JOYCE) is submitting this notification of Appendix II constituent detections at the Granville County – Butner Landfill, Permit No. 39-02 in accordance with Title 15A, Chapter 13, Subchapter 13B, Section .1634 (d)(1) of the North Carolina Solid Waste Management Regulations (NCSWMR). The second semiannual sampling event of 2011 at the Butner Landfill took place on December 5, 2011. The samples were sent to Pace Analytical Services, Inc. Compliance well samples were analyzed for constituents listed in NCSWMR Appendix I, Appendix II detected constituents. Surface water samples were analyzed for constituents listed in NCSWMR Appendix I.

The inorganic constituent Cobalt and organic constituents Heptachlor and Benzene were reported from the December 2011 event above their respective NC 2L or Groundwater Protection Standard (GWPS). The initial results reported Cobalt in MW-5 above the GWPS at 146 ug/L, which was a higher concentration than historically detected. Heptachlor was detected in MW-2R above the NC 2L and as a first time detection. A verification sampling event was performed on January 25, 2012. Cobalt in MW-5 was verified above the GWPS, but at 45 ug/L, a concentration consistent with historical data. Heptachlor was not verified as detection in MW-2R. Benzene in MW-2R is consistent with historical data at 1.4 ug/L. A Semiannual Groundwater Monitoring Report will be submitted as soon as the data validation and statistics are finalized. If you have any questions or need additional information, please feel free to contact me at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING

A handwritten signature in dark ink, appearing to read 'Daniel S. Girdner', is written over the company name.

Daniel S. Girdner
Staff Consultant

C: Jason Falls – Granville County